



[Home](#) > [HR Practitioners](#) > [Classification & Position Management](#) > [PD Library](#)

Research Hydrologist 09

GS-1315-09

NOTE: THE SENTENCE IN PART I DESCRIBING THE PURPOSE OF THE POSITION AND PARTS II AND III IN THEIR ENTIRETY ARE PERMANENT PARTS OF THE LIBRARY AND MAY NOT BE CHANGED OR EDITED IN ANY WAY.

I. INTRODUCTION

This position is located in

Incumbent is assigned one or more phases of larger projects focused on providing: (1) improved software based on hydrologic science and cutting-edge computer technology to assist in the development of operational hydrologic forecasts, (2) training in the software application, and (3) software support.

II. MAJOR DUTIES AND RESPONSIBILITIES

Incumbent serves as member of research team (1) investigating and evaluating hydrometeorological techniques for improving hydrologic (a) forecasting in River Forecast Centers and (b) services in Weather Forecast Offices; (2) developing and testing objective techniques for preprocessing, quality controlling, and analyzing hydrometeorological data; and (3) implementing new procedures into computer software for use in the operational forecast offices. Upon completion of research milestones, the incumbent is expected to assist in writing documentation for users' manuals and reports for publication, or for presentations at conferences.

Assists in the development of hydrologic models. Participates in projects to investigate, develop and evaluate new hydrologic models and improve existing models. May also be called upon to calibrate models and enhance model calibration techniques.

The above activities provide research and development support for major agency projects.

III. FACTOR LEVELS

Factor 1 - Research Situation/assignment

Research studies may be complex but have clear and specified objectives. Incumbent plans project details on the basis of precedents established in related projects, and devises and recommends alternative methods of standardized analysis as a basis for solving moderately difficult problems. Incumbent has a greater responsibility for fact-finding than fact interpretation.

Factor 2 - Supervision Received

General instruction and objectives regarding the design, execution and evaluation of the research are provided by the supervisor. The nature of the results to be expected are also described by the supervisor. However, the incumbent is given considerable latitude in assembling background information, applying standard techniques, and recommending new methodology. Supervisor is available to discuss potential sources of difficulty. Supervisor reviews work plans and provides advice during progress of work. Completed work is reviewed from the standpoint of adequacy and completeness.

Factor 3 - Guidelines and Originality

Exercises initiative in reviewing the relevance of standard techniques for research and development projects, and assists in identifying requirements for new methodology. Since NOAA's hydrologic research projects

generally involve the development of new and improved techniques for operational river forecasting, there will be ample opportunity for the incumbent to participate in the development of original hydrometeorological procedures. As few guidelines exist for the development of such novel techniques, the incumbent's participation will be under the direction of senior laboratory scientists.

This position is exempt from coverage under the Fair Labor Standards Act.

IV. UNIQUE POSITION REQUIREMENTS

(Last Updated: November 4, 1994)

[Website Feedback](#) [About OHRM](#) [Contact Us](#) [DOCHROC](#) [FOIA](#) [Site Map](#)
[Privacy Policy](#) [Commerce Homepage](#) [Careers at Commerce](#)
[Commerce Employees](#) [HR Practitioners](#)